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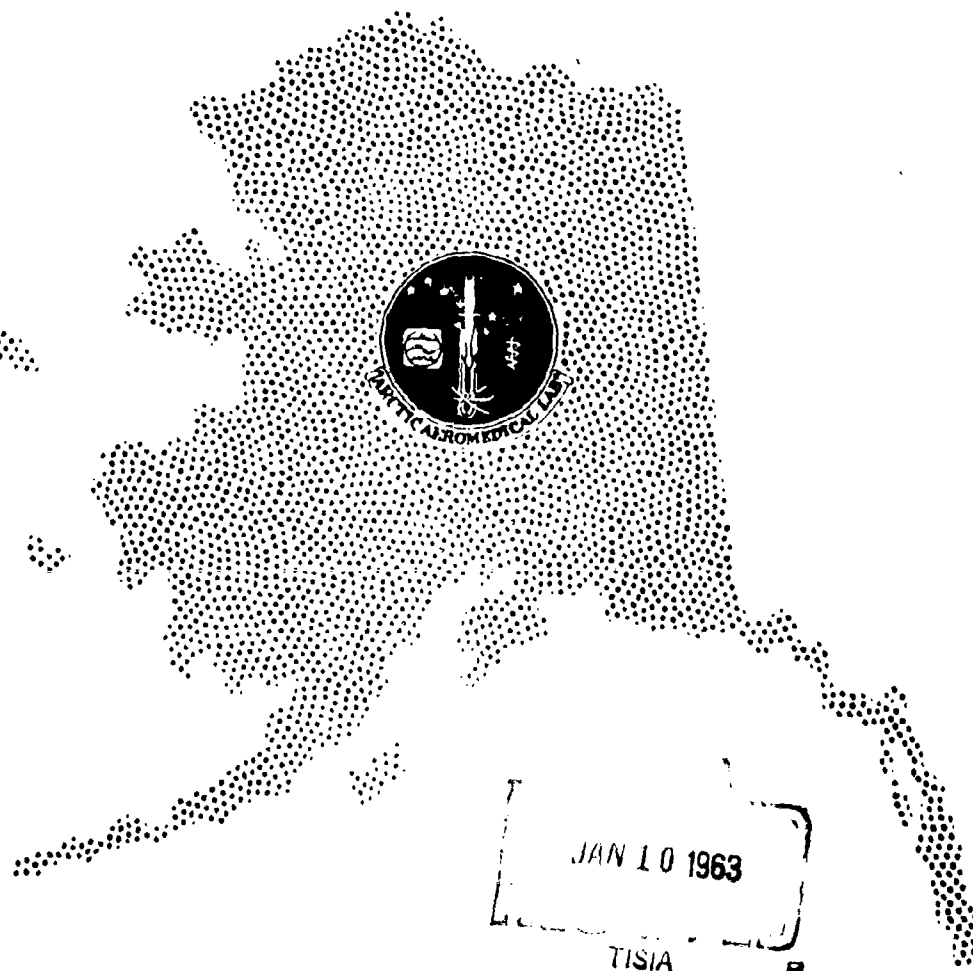
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TECHNICAL DOCUMENTARY REPORTS  
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ARCTIC AEROMEDICAL LABORATORY  
Aerospace Medical Division (AFSC)  
United States Air Force  
APO 731, Seattle, Washington

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PUBLICATIONS OF THE  
ARCTIC AEROMEDICAL LABORATORY

January - October, 1962

Barnett, Lt. Paul W.

Consideration of Aircraft as Emergency Shelters. June 1962. TDR 62-29

Braun, J. R. and S. B. Sells

Military Small Group Performance Under Isolation and Stress -- Critical Review. III. Environmental Stress and Behavior Ecology. June 1962  
TDR 62-33

DeTurck, J. E., and L. Joe Berry

Body Temperature and Carbohydrate Values in Normal and Endotoxine Poisoned Mice Exposed to Lowered Environmental Temperatures.  
August 1962. TDR 62-4

Everett, N. B. and Ruth W. Caffrey

Rate of Red Cell Formation in Rats at 24° C and 5° C. June 1962.  
TDR 62-20

Fisher, K. H., E. D. Huang, V. A. Campbell and R. W. Swift

Dietary Conditioning in Nutrient Restriction in Humans. June 1962.  
TDR 62-1

Gafford, Robt. D. and Col. John D. Fulton

Solar Illuminated Photosynthetic Gas Exchangers. June 1962. TDR 62-36

Luyet, B. J. and R. J. Williams

Observations on the Extent of the Injury Caused by the Formation of Ice in the Feet of Mice. June 1962. TDR 62-8

Previte, J. J., L. Joe Berry

The Effect of Cold Exposure on the Survival of Mice Inoculated with Viable or Heat-Killed Salmonella Typhimurium. June 1962. TDR 62-2

Rehkemper, Col. J. A.

Algae Feeding in Mice: Preliminary Observations. June 1962. TDR 62-38

Sells, S. B.

Military Small Group Performance Under Isolation and Stress -- Critical Review. I. Informal, Natural Groups: Development Structure and Function. June 1962. TDR 62-31

Sells, S. B.

Military Small Group Performance Under Isolation and Stress -- Critical Review. II. Dimensions of Group Structure and Group Behavior. June 1962  
TDR 62-32

Sells, S. B.

Military Small Group Performance Under Isolation and Stress -- Critical Review IV. Selection, Indoctrination, and Training for Arctic Remote Duty June 1962. TDR 62-34

Sells, S. B.

Military Small Group Performance Under Isolation and Stress -- Critical Review V. Psychological Principles of Management and Leadership. June 1962. TDR 62-35

Walters, C. F. and J. A. Anderegg

Water Conservation Through Reuse of Flushing Liquid in an Aerobic Sewage Treatment Process. June 1962. TDR 62-9

#### 1961 Series

Andersen, K. Lange., S. Stromme and R. W. Elsner

Metabolic and Thermal Responses to Muscular Exertion in the Cold. June 1962. TDR 61-52

Andersen, K. Lange., R. E. Elsner, B. Saltin and Lars Hermansen

Physical Fitness in Terms of Maximal Oxygen Intake of Nomadic Lapps. June 1962. TDR 61-53

Arata, Dorothy

Mechanism of Adaptation to a Threonine-Deficient Diet. II. Cytochrome Oxidase and Fatty Acid Oxidase Activities. October 1961. (ASTIA AD-276-434)

Arata, Dorothy

Mechanism of Adaptation to a Threonine-Deficient Diet. III. Effects of Fat Intake. October 1961. (ASTIA AD-276-435) TR 61-4

Arata, Dorothy

Mechanism of Adaptation to a Threonine-Deficient Diet. IV. October 1961. TN 61-2

Arata, Dorothy

Mechanism of Adaptation to a Threonine-Deficient Diet. V. October 1961. TN 61-3

Barnett, 1st Lt. Paul W.

Field Tests of Some Anti-Exposure Suits. May 1962. TR 61-56

Barnett, 1st Lt. Paul W.

Some Effects of Body Heating Prior to Extreme Cooling. October 1961. TR 61-27

Barnett, 1st Lt. Paul W.

T-33 Aircraft Survival Container. October 1961. TN 61-8

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Cold Injury at the Cellular Line. October 1961. TR 61-14
- Durrer, John L. and John P. Hannon.  
Glucose Tolerance and Insulin Sensitivity of the Cold-Exposed Beagle Dog.  
October 1961. TR 61-32
- Durrer, John L. and John P. Hannon  
Seasonal Variation in the Caloric Intake of Dogs Living in an Arctic  
Environment. October 1961. TR 61-33.
- Evonuk, Eugene  
A Thermal Dilution Technique for Estimating the Cardiac Output in Small  
Animals. October 1961. (ASTIA AD-276-441) TR 61-13
- Hammel, H. T., T. R. Houpt, K. Lange Andersen, S. Skjenneberg  
Thermal and Metabolic Measurements of a Reindeer at Rest and in Exercise.  
June 1962. TR 61-54
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Fatty Acid Metabolism During Norepinephrine-Induced Thermogenesis in  
the Cold-Acclimatized Rat. May 1962. TR 61-48
- Honda, Nishio  
Temperature Compensation for the Mercury Strain Gauge Used in Digital  
Plethysmography. October 1961. TR 61-28
- Honda, N., W. V. Judy and L. D. Carlson  
Influence of Prior Cold Exposure on Peripheral Vascular Reaction on  
Rabbit Ear Induced by Abrupt Cold Exposure. May 1962. TR 61-50
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Buoyancy and Insulation in the Muskrat. October 1961. TR 61-15
- Johansen, Kjell  
Distribution of Blood in the Arousing Hibernator. October 1961. (ASTIA AD-  
276-440) TR 61-11
- Johansen, Kjell.  
Observations on the Wood Frog Rana sylvatica in Alaska. October 1961.  
October 1961. TR 61-16
- Korchak, H. M. and E. J. Masoro  
Changes in the Level of the Fatty Acid-Synthesizing Enzymes During  
Starvation. May 1962. TR 61-46
- Lim, Thomas P. K. and Ulrich C. Luft  
Influence of Hypoxia on Thermal Homeostasis in Man. June 1962. TR 61-55
- Lyman, Charles P.  
Hibernation in Mammals. October 1961. (ASTIA AD-276-486) TR 61-5

Lyman, Charles P.

Homeostasis in Hibernation. October 1961. (ASTIA AD-276-439) TR 61-10

Manning, W. H. and F. W. Wicker

Approaches to the Analysis of Sociometric Data: A Survey of the Literature.  
August 1961. TR 61-18

Lim, Thomas P. K. and Ulrich C. Luft

Influence of Hypoxia on Thermal Homeostasis in Man. June 1962. TR 61-55

Marcus, Stanley, F. Miya, L. J. Phelps, and L. Spencer

Determination of the Critical Ambient Temperature for Mice Treated with  
Chlorpromazine. October 1961. TR 61-35

Marcus, Stanley, F. Miya, L. J. Phelps, and L. Spencer

Effect of Acute and Chronic Exposure to Low Temperature on Survival of Mice  
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Marcus, Stanley, F. Miya, L. J. Phelps, and L. Spencer

Effect of Acute and Chronic Low Temperature Stress on Survival of Mice  
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Effect of Ambient Temperature and Chlorpromazine Treatment on Resistance  
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Marcus, Stanley, F. Miya, L. J. Phelps, and L. Spencer

Effect of Exposure to Low Temperature on Development of Spirochaete  
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Marcus, Stanley, F. Miya, L. J. Phelps and L. Spencer.

Effect of Varying Temperatures on Oxygen Uptake Generation Time of  
Klebsiella pneumoniae and Staphylococcus aureus. October 1961. TR 61-34

Marcus, Stanley, F. Miya, L. J. Phelps, and L. Spencer

The Influence of Low Ambient Temperature on Cold-Acclimatized Mice  
Challenged with Ehrlich ascites Tumor Cells. October 1961. TR 61-38

Marcus, Stanley, F. Miya, L. J. Phelps, and L. Spencer

Studies on Klebsiella pneumoniae Passed Through Mice Maintained at Low  
Ambient Temperature. October 1961. (ASTIA AD-276-437) TR 61-7

Masoro, Edward J.

Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold.  
VI. October 1961. (Earlier reports in this series by David Rapport). TR 61-9

Masoro, E. J., Edith Porter, and Helen Korchak.

The Role of Inhibitory Mechanisms in the Physiological Regulation of Lipo-  
genesis. October 1961. TR 61-25

Masoro, E. J., H. M. Korchak and Edith Porter

A Study of the Lipogenic Inhibitory Mechanisms Induced by Fasting. May 1962. TR 61-45

Masoro, E. J.

Biochemical Mechanisms Related to the Homeostatic Regulation of Lipogenesis in Animals. June 1962. TR 61-47

Miholits, E. M.

Research and Development of a New Method of Waste Disposal for Isolated Sites in the Arctic. I. Fundamentals of Human Waste Incineration. May 1961. TR 61-9

Miya, Fred., William Wu and Stanley Marcus

The Properdin System in Host Resistance. April 1962. TR 61-51

Porter, Edith and E. J. Masoro

Effect of Cold Acclimation on Vitamin A Metabolism. May 1962. TR 61-44

Rapport, David.

Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold. IV. October 1961. TN 61-5

Rapport, David

Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold. V. October 1961. (Continuing reports in this series by Edward J. Masoro) TN 61-6

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Studies on Profound Hypothermia. I. Technique of Induction. October 1961. TR 61-39

Sealy, W. C.

Studies on Profound Hypothermia. II. The Effects of Complete Circulatory Arrest in the Profoundly Hypothermic Dog. October 1961. TR 61-40

Sealy, W. C.

Studies on Profound Hypothermia. III. The Effect of Core-Induced Hypothermia of 25° and 7° on Dogs with Myocardial Infarction. October 1961. TR 61-41

Sells, S. B.

Military Small Group Performance Under Isolation and Stress -- An Annotated Bibliography. I. The Basic Psychology of Group Behavior. October 1961 (ASTIA AD-275-855) TR 61-19

Sells, S. B.

Military Small Group Performance Under Isolation and Stress--An Annotated Bibliography. II. Dimensions of Group Structure and Group Behavior. October 1961. TR 61-20



- Sells, S. B.  
Military Small Group Performance Under Isolation and Stress -- An Annotated Bibliography. III. Environmental Stress and Behavior Ecology. October 1961. TR 61-21
- Sells, S. B.  
Military Small Group Performance Under Isolation and Stress -- An Annotated Bibliography. IV. Organizational Staffing. October 1961. TR 61-22
- Sells, S. B.  
Military Small Group Performance Under Isolation and Stress -- An Annotated Bibliography. V. Organizational Management and Leadership. October 1961. TR 61-23
- Sells, S. B.  
Military Small Group Performance Under Isolation and Stress -- An Annotated Bibliography. VI. Leadership in Formal Groups. October 1961. TR 61-24
- Skrettingland, Kermit R., James Clogston, and James H. Veghte  
Evaluation of Various Types of Boots in Cold Environments. October 1961  
TN 61-7
- Smith, G. S. and B. Connor Johnson  
Cardiovascular Effects of Refeeding Stress Following Starvation. XI. September 1961. TN 61-1
- Stanley, Glenn and Joseph M. Quashnock.  
An Evaluation of an Electronic Location Marker (SARAH) for Arctic Use. May 1961. (OTS PB 157-441 cancelled) (ASTIA AD-260-440) TR 61-8
- Sullivan, Bernard J. and Walter J. Fimian Jr.  
The Effect of Inositol and Rapid Rewarming Upon Acute Cold Injury in the Rabbit. I. Electrophoretic Studies of Serum and Edema Fluid. October 1961. TR 61-29
- Sullivan, Bernard J. and Walter J. Fimian Jr.  
The Effect of Inositol and Rapid Rewarming Upon Acute Cold Injury in the Rabbit. II. Radioactive Tracer Studies of Circulatory Return. October 1961. TR 61-30
- Vaughan, David A. and Lucile N. Vaughan  
The Effect of a Pyridoxine Deficiency on Cold-Adjusted Rats. October 1961. (ASTIA AD-276-433) TR 61-2
- Vaughan, David A., John P. Hannon, Lucile N. Vaughan.  
Interrelationships of Diet and Cold Exposure on Selected Liver Glycolytic Enzymes. October 1961. (ASTIA AD-276-432)
- Veghte, James H.  
Determining Arctic Clothing Design by Means of Infra-Red Radiometry. October 1961. (ASTIA AD-275-967) TR 61-31

Veghte, James H.

Human Physiological Response to Extremity and Body Cooling. October 1961.  
(ASTIA AD-275-966) TR 61-26

Veghte, James H. and James I. Clogston.

A New Heavy Winter Flying Clothing Assembly. September 1961. TN 61-4

#### 1960 Series

\* Reprints of these publications are not available

Adams, Thomas E., E. J. Heberling, and R. B. Payne

The Effect of Glycine Administration on Human Response to an Acute  
Standardized Cold Stress. April 1961. (OTS PB 157-616 cancelled)  
(ASTIA AD-261-235) TR 60-19

Arata, Dorothy

Mechanism of Adaptation to a Threonine-Deficient Diet. I. Biochemical  
Aspects of a Threonine Deficiency. September 1960. (OTS PB 153-899)  
(ASTIA AD-249-796) TR 60-3

Beyer, Robert E

Observations on the Biochemical Basis of Chemical Thermogenesis in the  
Cold-Acclimated Rat. April 1960. (OTS PB 150-026) TN 60-6

Brock, Mary Anne

Hibernation and Cold Storage Effects on the Phosphates in Hamster Blood.  
October 1961. (ASTIA AD-276-018) TR 60-47

Brock, Mary Anne.

Production and Life Span of Erythrocytes During Hibernation in the Golden  
Hamster. October 1961. (ASTIA AD-275-866) TR 60-29

\* Carlson, Loren D.

Nonshivering Thermogenesis and its Endocrine Control. September 1960.  
(OTS PB 154-223) (ASTIA AD-249-795) TR 60-1

\* Cottle, Merva

Thyroid Function in Exercised Rats. October 1961. (ASTIA AD-275-862)  
TR 60-6

Douglas, Jack D.

Determination of Protection Afforded by Perishable Produce Shipping  
Containers. June 1960. (OTS PB 161-975) (ASTIA AD-241-200). TN 60-10

Douglas, Jack D.

The Evaluation of the Use of Ultrasound Frostbite Therapy. August 1960.  
(OTS PB 152-032) (ASTIA AD-243-834) TN 60-11

- Douglas, Jack D.  
Preliminary Studies on Electric Incinerator Toilets for Use Under Remote Arctic Conditions. May 1960. (OTS PB 150-027) (ASTIA AD-241-199) TN 60-7
- Eagan, Charles J.  
The Construction of a Small Mercury Strain Gauge. August 1960. (OTS PB 152-033) TN 60-14
- \*Eagan, Charles J.  
The Mercury Gauge Method of Digital Plethysmography. February 1961. (OTS PB 155-540) (ASTIA AD-253-711) TN 60-15
- Eagan, Charles J.  
The Origins of Heat Lost from Extremities in Ice Water. April 1961. (OTS PB 157-639 cancelled) (ASTIA AD-261-239) TN 60-13
- \*Eagan, Charles J.  
The Physics of the Mercury Strain Gauge and of its Use in Digital Plethysmography. February 1961 (OTS PB 155-542) (ASTIA AD-253-713) TN 60-17
- \*Eagan, Charles J.  
Techniques in Mercury Gauge Plethysmography Specific to the Rabbit Ear. March 1961. (OTS PB 155-541) (ASTIA AD-253-712) TN 60-16
- Eilbert, L. R.  
Indoctrination Procedures for Personnel Assigned to Arctic Sites. April 1961 (ASTIA AD-275-863) TR 60-12
- Elsner, R. W., K. L. Andersen, and L. Hermansen.  
Thermal and Metabolic Responses of Arctic Indians to a Standard Moderate Cold Exposure at the End of Winter. April 1961. (OTS PB 157-613 canceled) (ASTIA AD-261-234) TR 60-4
- Everett, Newton B. and L. Matson  
The Red Cell and Plasma Volumes of the Rat and its Individual Tissues and Organs During Acclimation to Cold. October 1961. (ASTIA AD-275-870) TR 60-35
- Freeman, W. J., D. G. Stuart and A. Hemmingway  
Nervous Control of Shivering. X. Role of the Fields of Forel in Shivering. October 1961. (ASTIA AD-275-865) TR 60-27
- Fulton, John D. and Jack D. Douglas.  
Packaging Freezable Emergency Kit Items. March 1960 (OTS PB 150-025) (ASTIA AD-241-194) TN 60-2
- Gudbrandsen, Cato O.  
The Effect of Physical Exercise on Cholesterol-Induced Atherosclerosis in Rabbits. February 1961. (OTS PB 155-652 cancelled) (ASTIA AD-255-517) TR 60-2

- Hannon, John P. and David W. Young  
Blood Chemistry of the Cold-Acclimatized Rat. II. Gross Metabolism and Physical Changes. August 1960. (OTS PB 150-578) TR 60-16
- Hannon, John P. and David A. Vaughan.  
Effect of Exposure Duration on Selected Enzyme Indices of Cold Acclimatization. October 1961. (ASTIA AD-276-011) TR 60-38
- Hannon, John P., David A. Vaughan, and R. J. Hock  
The Endogenous Tissue Respiration of the Arctic Ground Squirrel as Affected by Hibernation and Season. May 1961. (ASTIA AD-276-016) TR 60-44
- Hannon, John P.  
Intermediary Glucose Metabolism in the Cold Acclimatized Rat. April 1960 (OTS PB 150-213) TR 60-15
- Hannon, John P.  
Tissue Energy Metabolism in the Cold Acclimatized Rat. April 1960. (OTS PB 150-577) TR 60-14
- Hertzman, A. B.  
Refinements in Photoelectric Plethysmography. September 1961. TN 60-32
- Johansen, Kjell  
Temperature Regulation in the Nine-Banded Armadillo (*Dasypus Novemcinctus Mexicanus*). October 1961. (ASTIA AD-276-012) TR 60-39
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Cardiovascular Effects of Refeeding Stress Following Starvation. October 1961. (ASTIA AD-275-867) TR 60-32
- Lyman, Charles P. and Regina C. O'Brien  
Circulatory Changes in the Thirteen-Lined Ground Squirrel During the Hibernating Cycle. April 1961. :(OTS PB 157-619 cancelled) (ASTIA AD-261-757) TR 60-24
- MacHattie, Lorne, P. Haab, and D. W. Rennie  
Eskimo metabolism as Measured by the Technique of Twenty-Four Hour Indirect Calorimetry and Graphic Analysis. October 1961. (ASTIA AD-276-015) TR 60-43
- Masoro, E. J., E. Porter, and J. Patkin  
Effect of Cold Stress on Lipogenesis by Adipose Tissue. April 1961. (ASTIA AD-275-864) TR 60-20
- Masoro, E. J. and Edith Porter  
Fatty Acid Oxidation by Mitochondria from Cold-Fasted Rats. April 1961 (OTS PB 157-618 cancelled) (ASTIA AD-261-233) TR 60-23

Masoro, E. J.

A Mechanistic Study of the Failure in Lipogenesis Induced by Cold-Stress. April 1961. (OTS PB 157-617 Cancelled)(ASTIA AD-261-236) TR 60-22

Masoro, E. J. and Edith Porter

A New View of the Failure in Lipogenesis Induced by Fasting. October 1961 (ASTIA AD-276-009) TR 60-36

Masoro, E. J. and E. Porter

Propionic Acid as a Precursor in the Bio-Synthesis of Animal Fatty Acids. October 1961. (ASTIA AD-275-868) TR 60-33

Mayer, Joseph

Cold Weather Test of Insulated Underwear. November 1960 (OTS PB 154-169) (OTS PB 154-169) (ASTIA AD-249-802) TN 60-21

Metcalf, T. G. and Jerome P. Schmidt

Immunologic Study on Respiratory Viruses Isolated in Alaska. October 1961. (ASTIA AD-276-010) TR 60-37

Metcalf, T. G. and Jerome R. Schmidt and Robert E. Becker

A Study of Upper Respiratory Disease of Personnel Stationed at Eighteen Remote Radar Sites in Alaska. October 1961. (ASTIA AD-276-014) TR 60-42

Milan, Frederick A., Robert W. Elsner and Kaare Rodahl

The Effect of a Year in the Antarctic on Human Thermal and Metabolic Responses to an Acute Standardized Cold Stress. March 1961. (OTS PB 157-932 cancelled) (ASTIA AD-260-670) TR 60-9

Milan, Frederick A.

An Evaluation of Winter Survival Shelters Used by the U. S. Air Force in Alaska. January 1961. (OTS PB 155-093) (ASTIA AD-252-140) TR 60-8

Milan, Frederick and Kaare Rodahl

Nutrition and Energy Expenditure at Little America. V. in the Antarctic. March 1961. (OTS PB 157-325 cancelled) (ASTIA AD-260-212) TR 60-11

Milan, Frederick A.

A Study of the Maintenance of Thermal Balance in the Eskimo. November 1960. (OTS PB-154-225) (ASTIA AD-249-798) TR 60-40

\*Milan, Frederick A.

Swedish Lappland: A Brief Description of the Dwellings and Winter-Living Techniques of the Swedish Mountain Lapps. October 1960. (OTS PB 154-224) (ASTIA AD-249-797) TR 60-7

Milan, Frederick A.

Thermal Stress in the Antarctic. March 1961. (OTS PB 157-324 cancelled) (ASTIA AD-260-213) TR 60-10

- Patkin, J. K. and E. J. Masoro  
Effect of Cold Acclimation on Lipid Metabolism in Adipose Tissue. October 1961.  
(ASTIA AD-276-013) TR 60-41
- Patkin, Judith and E. J. Masoro  
Effects of Cold Stress on Mitochondrial Oxidative Phosphorylation. April 1961  
(OTS PB 157-440 cancelled) (ASTIA AD-260-441) TR 60-21
- Pruitt, W. O., Jr., C. V. Lucier, and L. L. Huffman.  
Small Mammal Bioclimate Studies in Northern Regions. October 1961. (Replaces  
AAL Tech Note 56-8) (ASTIA AD-275-869) TR 60-34
- Rapport, David.  
Metabolism of Fatty Acids of Related Substances in Animals Exposed to Cold.  
I. April 1961. (OTS PB 157-638) (ASTIA AD-261-238) TN 60-24
- Rapport, David  
Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold. II.  
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- Rapport, David  
Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold. III.  
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Analysis of ACandW Honor Squadron Proficiency Scores. February 1961. (OTS PB  
155-543) (ASTIA AD-253-714) TN 60-28
- Skrettingland, Kermut R.  
Arctic Field Evaluation of Vapor Impermeable Glove, Flying. February 1961.  
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- Smith, G. S., M. S. Mameesh, and B. Connor Johnson  
Cardiovascular Effects of Refeeding Stress Following Starvation. VII. Refeeding  
Following Short-Term Starvation Periods. May 1960. (OTS PB 152-030) (ASTIA  
AD-243-832) TN 60-8
- Smith, G. S., M. S. Mameesh, and B. Connor Johnson  
Cardiovascular Effects of Refeeding Stress Following Starvation. VIII. Long  
Term Effects of Feeding-Refeeding Episodes. May 1960. (OTS PB 152-031)  
(ASTIA AD-243-833) TN 60-9
- Smith, G. S. and B. Connor Johnson  
Cardiovascular Effects of Refeeding Stress Following Starvation. IX. Metabolic  
Responses to Refeeding in the Rat: Preliminary Studies with C<sup>14</sup> - labeled  
Glucose. November 1960. (OTS PB 154-168) (ASTIA AD-249-801) TN 60-20
- Smith, G. S. and B. Connor Johnson  
Cardiovascular Effects of Refeeding Stress Following Starvation. X. Ad Libitum  
Refeeding of Glucose or Starch. February 1961. (OTS PB 155-544) (ASTIA AD-  
253-715) TN 60-29

Todd, W. R.

Maintenance of Carbohydrate Stores During Stress of Cold and Fatigue in Rats Prefed Diets Containing Added Glycine. March 1961. (OTS PB 157-614) (ASTIA AD-261-756) TR 60-13

Treadwell, Carleton R.

Effect of Lipotropic Factors on Cold Physiology. April 1961. (OTS PB 157-615 cancelled) (ASTIA AD-261-758) TR 60-18

Vaughan, David A. Horace F. Drury, Lucile N. Vaughan, Anna M. Larson and David W. Young.

Arctic Survival Rations. VIII. Further Experiments on Persistence of Adaptation to Caloric Restriction. May 1961. (OTS PB 157-620 cancelled) (ASTIA AD-261-237) TR 60-30

Vaughan, David A., John P. Hannon, and Lucile N. Vaughan

The Effects of Diet on Selected Glycolytic Enzymes of the Rat. January 1961. (OTS PB 155-094) (ASTIA AD-254-300) TR 60-17

Way, E. Leong and H. W. Elliott

Alterations in Effects of Morphine on the Cold-Acclimatized Animal. October 1961. TN 60-26

White, Freeman E.

Dry Cold Evaluation of the Crawford Paper Blanket. November 1960. (OTS PB 154-167) (ASTIA AD-249-800) TN 60-19

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Osmotic Regulation in the Tissues of Hibernating Mammals. October 1961. (ASTIA AD-276-017) TR 60-45

#### 1959 Series

\*Adams, Thomas

The Control of Body Temperature. July 1960. (OTS PB 154-226) (ASTIA AD-249-794) TR 59-21

\*Adams, Thomas

Environmental Factors Influencing Thermal Exchange. September 1960. (OTS PB 154-325) (ASTIA AD-251-856) TR 59-22

Bang, Gisle

Fluoride Content of Alaskan Eskimo Tooth Samples. May 1960. (OTS PB 150-229) TR 59-7

Buskirk, Harvey A.

Walk-Around Sleeping Bag. April 1959. (OTS PB 144-849) (ASTIA AD-227-509) TR 59-4

Carlson, Loren D. and H. L. Thursh

Cold Injury and Frostbite: A Selected, Annotated Bibliography. December 1960.  
(OTS PB 155-462) (ASTIA AD-253-479) TR 59-20

Carlson, Loren D. and H. L. Thursh

Human Acclimatization to Cold: A Selected, Annotated Bibliography of the Concepts of Adaptation and Acclimatization as Studied in Man. September 1960.  
(OTS PB 154-323) (ASTIA AD-251-854) TR 59-18

Carlson, Loren D. and H. L. Thursh

Protection of the Extremities in Extreme Cold: A Selected, Annotated Bibliography. October 1960. (OTS PB 154-324) (ASTIA AD-251-855) TR 59-19

Cook, S. F.

Possible Effect of Reduction in Body Temperatures on Cellular Function During Hypothermia. June 1959. (OTS PB 146-625) (ASTIA AD-233-845) TN 59-12

Covino, Benjamin G. and Henry E. D'Amato

Relative Merits of Slow Versus Rapid Rewarming and Internal Versus External Rewarming Following Acute General and Local Hypothermia. II. October 1958.  
TN 59-4

D'Amato, Henry E. and Benjamin G. Covino

Evaluation of Various Rewarming Techniques Following General and Local Hypothermia. February 1960. (OTS PB 152-853) TR 59-10

Douglas, Jack D.

Effect of Repeated Freezing and Thawing on "C" Rations. May 1959. (OTS PB 146-117) (ASTIA AD-230-845) TN 59-7

Douglas, Jack D.

Significance of Echinococcus Multilocularis to Military Personnel at Remote Stations in Alaska. June 1959. (OTS PB 146-626) (ASTIA AD-233-844) TN 59-3

Eagan, Charles J.

Reactive Error in the Measurement of Rectal Temperature in the Cold. March 1961. (ASTIA AD-260-802) TN 59-20

Eilbert, Leo R.

A Survey to Determine Indoctrination Needs for Personnel at Isolated Arctic Sites. January 1959. (OTS PB 146-119) (ASTIA AD-230-842) TN 59-2

\*Elsner, Robert W.

Changes in Peripheral Circulation with Exercise Training. November 1960.  
(OTS PB 155-461) (ASTIA AD-253-459) TR 59-16

Gottman, Arthur W.

A Report of 103 Autopsies on Alaskan Natives. June 1960. (OTS PB 150-214)  
TR 59-6



\*Hannon, John P.

The Effect of Temperature on Myocardial Adenine Nucleotide Levels and the Activity of Various Oxidases in Rabbits and Arctic Ground Squirrels. November 1959. (OTS PB 146-262) TR 59-2

Hopla, Cluff E.

Epidemiology of Tularemia in Alaska. June 1960. (OTS PB 150-574) TR 59-1

Johnson, B. Connor and Vincent Fiorica

Cardiovascular Effects of Refeeding Stress Following Starvation. I. Preliminary Experiments. March 1958 (ASTIA AD-230-846) TN 59-8

Johnson, B. Connor and Vincent Fiorica

Cardiovascular Effects of Refeeding Stress Following Starvation. II. Effect of Maintenance and Starvation on Cardiac Responses in the Pig. July 1958. (ASTIA AD-230-847) TN 59-9.

Johnson, B. Connor and Vincent Fiorica

Cardiovascular Effects of Refeeding Stress Following Starvation. III. Realimentation with Pure Carbohydrate and Protein. January 1959. (ASTIA AD-230-848) TN 59-10

Johnson, B. Connor and Vincent Fiorica

Cardiovascular Effects of Feeding Pure Fat. IV. Effects of Feeding Pure Fat. July 1959. (OTS PB 150-024) TN 59-15

Johnson, B. Connor and Vincent Fiorica.

Cardiovascular Effects of Refeeding Stress Following Starvation. V. The Effects of Refeeding Pure Glucose. January 1959. (OTS PB 152-028) (ASTIA AD-243-830) TN 59-18

Logan, John A.

A New Method of Waste Disposal for Isolated Sites in the Arctic. I. Chemical Additives and Mechanical Homogenizers. May 1959. (OTS PB 161-540) (ASTIA AD-230-843) TN 59-5

Logan, John A.

A New Method of Waste Disposal for Isolated Sites in the Arctic. II. May 1959 (OTS PB 146-118) (ASTIA AD-230-844) TN 59-6

Lyman, Charles P.

Changes in Circulation During the Hibernating Cycle. June 1959. (OTS PB 146-237) (ASTIA AD-230-849) TN 59-13

Mameesh, M. S. and B. Connor Johnson

Cardiovascular Effects of Refeeding Stress Following Starvation. VI. Starch Refeeding Versus Glucose Refeeding. October 1959. (OTS PB 152-029) (ASTIA AD 243-831) TN 59-19

Masoro, E. J.

Alterations in Hepatic Lipid Metabolism Induced by Acclimation to Low Environmental Temperatures. July 1960. (OTS PB 152-618) (ASTIA AD-244-757) TR 59-25

Mills, William J., Jack D. Douglas and Arthur W. Gottman

Clinical Experiences in Treatment and Rehabilitation of Frostbite in Alaska. April 1960. (OTS PB 147-746) TR 59-24

Pitts, Grover C.

A Study of Gross Body Composition of Small Alaskan Mammals as Compared with those from the Temperate Zone. II. June 1960. (OTS PB 150-575) TR 59-3

Rapport, David.

Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold. Part I. June 1959. (OTS PB 146-660) (ASTIA AD-233-846) TN 59-16

Rapport, David.

Metabolism of Fatty Acids and Related Substances in Animals Exposed to Cold. Part II. June 1959 (OTS PB 146-236) (ASTIA AD-230-851) TN 59-17

\*Reidy, J. J.

Fletcher's Ice Island: A Psychiatric Report. March 1960. TR 59-9

Van Tassel, Norman C.

Cold Weather Evaluation of Protectors, Ear, Sound, Type PRU-1/P and Helmet, Sound Protector Accommodating, Type HGU-1/P. May 1959. (OTS PB 146-120) (ASTIA AD-230-841) TN 59-1

Van Tassel, Norman C.

Service Test of Aircrew Alert Boots. July 1959. (OTS PB 146-235) (ASTIA AD-230-850) TN 59-14

Vaughan, David A., John P. Hannon and Lucile N. Vaughan

Arctic Survival Rations. IV. Associated Effects of Diet, Environmental Temperature, and Duration of Exposure on the Major Constituents of the Livers of Rats. September 1959. (OTS PB 144-850) TR 59-5

Vaughan, David A. and Lucile N. Vaughan

The Effect of a Riboflavin Deficiency on Cold-Adapted Rats. June 1960. (OTS PB 150-576) TR 59-8

Vaughan, David A. and Lucile N. Vaughan

The Effect of Cold on the Weight, Food Intake, and Acetylating Activity of Pantothenic Acid-Deficient Rats. April 1960. (OTS PB 147-745) TR 59-23

#### 1958 Series

Bang, Gisle

Development of Microstructure of Alaskan Eskimo Tooth Samples. May 1958. (OTS PB 144-833) TR 58-20

Bernick, Sol and William V. Mayer

Comparative Histological Studies of the Digestive Tract of Warm and Active and Hibernating Arctic Ground Squirrels. September 1958. (OTS PB 147-287) TN 58-28

Buckley, John L. and Wilbur L. Libby

The Distribution in Alaska of Plant and Animal Life Available for Survival. May 1959. (OTS PB 144-846) (ASTIA AD 220-762) TR 58-10

D'Amato, Henry E. and Benjamin G. Covino

Relative Merits of Slow Versus Rapid Rewarming and Internal Versus External Rewarming Following Acute General and Local Hypothermia. June 1958. (OTS PB 146-238) (ASTIA AD 230-840) TN 58-21

Drury, Horace F., David A. Vaughan and John P. Hannon

Arctic Survival Rations. III. The Evaluation of Pemmican Under Winter Field Conditions. January 1959. (OTS PB 144-832) TR 58-6

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Solar Radiation and Radiant Heat Exchanges in Arctic Regions. July 1960. (OTS PB 150-573) TR 58-27

Everett, Newton B.

The Changes in the Red Cell and Plasma Volumes of the Rat and of its Individual Tissues and Organs During Acclimation to Cold. June 1960. (OTS PB 150-230) TR 58-18

\*Freeman, Walter J. and Allan Hemingway.

Nervous Control of Shivering. VII. A Manual for the Construction, Use and Interpretation of Records from Stainless Steel Microelectrodes. May 1959. (OTS PB 143-528) (ASTIA AD-220-680) TR 58-1

\*Freeman, Walter J. and Allan Hemingway

Nervous Control of Shivering. VIII. Further Observations on Brainstem Unit Potentials During Shivering. July 1960. (OTS PB 154-322) (ASTIA AD-251-853) TR 58-4

Hammel, H. T., H. T. Anderson, R. W. Elsner, D. H. LeMessurier and F. A. Milan

Thermal and Metabolic Responses of the Australian Aborigine in Summer While Exposed to Moderate Cold During Sleep. August 1960. (OTS PB 150-572) TR 58-21

\*Hannon, John P., Anna F. Larson, Horace F. Drury, David A. Vaughan and Lucile Vaughan

Arctic Survival Rations. VII. Alterations in Serum Electrolytes During Winter Field Tests of Survival Rations. September 1959. (OTS PB 144-842) TR 58-25

Hannon, John P.

The Effect of Temperature on the Heart Rate, Electrocardiogram and Certain Myocardial Oxidations of the Rat. March 1958. (OTS PB 144-847) (ASTIA AD-220-761) TR 58-3

Hannon, John P. and Lucile N. Vaughan

Gross Liver Composition of the Rat Following One-Month Cold Exposure  
September 1959. (OTS PB 144-344) TR 58-26

\*Hannon, John P.

Liver Phosphorous Metabolism in the Cold-Acclimatized Rat. October 1960.  
(OTS PB 152-695) (ASTIA AD 246-405) TR 58-16

Hemingway, Allan

Nervous Control of Shivering. IX. June 1960. (OTS PB 150-216) TR 58-22

Lecker, Charles L.

Cold Testing of Selected Components of ECL-20-92-28-36-Bed Air Trans-  
portable Infirmary. January 1958. (OTS PB 146-628) (ASTIA AD-221-552)  
TN 58-31

Lim, Thomas P. K.

The Elucidation of the Role Played by the Central and Peripheral Temperatures  
at the Initiation of Shivering. August 1958. (OTS PB 146-629) TN 58-26

\*Lyman, Charles P.

The Basic Physiology of Hibernation and its Relation to Temperature Regula-  
tion and to Adaptation to Cold. July 1958. (ASTIA AD-230-839) TN 58-11

\*Masoro, E. J.

The Effect of Physical Injury on Lipid Metabolism. February 1960. (OTS PB  
152-852) TR 58-17

Masoro, E. J., M. D. Valentine and J. M. Felts

The Effect of Adrenalectomy on Albumin-Palmitate-1-C<sup>14</sup> Oxidation. (OTS PB  
147-291) TN 58-6

Panagos, Sylvia, Robert E. Beyer and Edward J. Masoro

Oxidative Phosphorylation in Liver Mitochondria Prepared from Cold-  
Exposed Rats. June 1958. (OTS PB 146-627) (ASTIA AD-221-553) TN 58-32

Payne, Robert B.

A Preliminary Study of the Motivational Properties of Cold Stress. April 1959.  
(OTS PB 143-345) (ASTIA AD-217-803) TR 58-9

Payne, Robert B.

Tracking Proficiency as a Function of Thermal Balance. May 1959. (OTS PB  
144-845) (ASTIA AD-220-763) TR 58-14

Pitts, Grover C.

Gross Body Composition in Alaskan and Temperate Zone Mammals. June 1958.  
(OTS PB 146-467) (ASTIA AD-230-838) TN 58-8

Rapport, David.

Metabolism of Fatty Acids and Ketone Bodies in Animals Exposed to Cold.  
June 1958. (OTS PB 146-239) (ASTIA AD-230-837) TN 58-5

\*Steinhaus, John E., Karl L. Siebecker and James R. Kimmey  
Comparative Effects of Anesthetic Agents in Cardiac Irritability During Hypothermia. August 1960. (OTS PB 150-215) TR 58-24

Steinhaus, John E. and Karl L. Siebecker  
Prevention and Treatment of Ventricular Fibrillation in Hypothermia. April 1958. (OTS PB 145-092) (ASTIA AD-227-657) TR 58-5

\*Todd, W. R. and Marilouise Allen  
Tissue Glycogen Synthesis in Adrenal-Ectomized Rats Fed Glycine-Containing Diets and Given Hydrocortisone. May 1960. (OTS PB 147-744) TR 58-23

Vaughan, David A., Horace F. Drury, John P. Hannon, Lucile N. Vaughan and Anna M. Larson.  
Arctic Survival Rations. VI. The Physiological Effects of Restricted Diets During Successive Winter Field Trials. August 1959. (OTS PB 144-834) TR 58-8

Vaughan, David A. and Lucile N. Vaughan  
Effect of Low Environmental Temperature on Weight and Food Consumption of Thiamine-Deficient Rats. June 1958. (OTS PB 144-836) (ASTIA AD-227-508) TR 58-7

#### 1957 Series

Adams, Thomas and Donald W. Rennie  
The Comparative Tolerance of Negroes and Caucasians to a Standardized Cold Stress as Indicated by Body Temperature and Metabolic Rate. September 1957. (OTS PB 153-351) TR 57-20

American Power Jet Company.  
Human Engineering Factors Affecting Arctic Aircraft Maintenance. Data Sources and Project Bibliography. December 1957. (OTS PB 153-547) ASTIA AD-162-571) TN 57-12

Bang, Gisle, Delilah Metz and Kaare Rodahl  
The Effect of an Excess of Vitamin A on Oxygen Consumption and I<sup>131</sup> Metabolism in Rats. August 1957. (OTS PB 143-529) (ASTIA AD-220-678) TR 57-39

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Continuation of Factors Affecting Water Purification. December 1957. (OTS PB 153-546) TN 57-5

Baribo, Lester  
Testing an Incinerator Toilet for Ground Use. April 1957. (OTS PB 147-288) (ASTIA AD-236-485) TN 57-6

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A Survey of the Mosquitoes of the Vicinity of Kotzebue, Alaska. May 1957. (OTS PB 146-620) TN 57-9

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Evaluation of Glycine in Frostbite Prophylaxis. November 1957. (OTS PB 153-353) TR 57-24
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Glycine as an Antifibrillary Agent in Hypothermia. March 1958. (OTS PB 153-370) TR 57-29
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- Birzis, Lucy and Allan Hemingway  
Nervous Control of Shivering. VI. Efferent Brain Discharge During Shivering. June 1957. (OTS PB 153-350) TR 57-11
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Research and Reports on Aerial Interpretation of Terrestrial Bioenvironments and Faunal Populations. December 1957. (OTS PB 153-371) TR 57-32
- Carlson, Loren D. and A. C. L. Hsieh  
The Role of the Thyroid in the Metabolic Response to Low Temperature. May 1957. (OTS PB 153-344) TR 57-1
- \* Carlson, Loren and K. J. K. Buettner  
Thermal Stress and Physiological Strain. June 1957. (OTS PB 146-242) (ASTIA AD-230-831) TN 57-13
- Castle, Jack, Jr.  
Modification of Weapons Carrier for Cross-Country Use Over Tundra, Snow and Sand. September 1957. (OTS PB 146-631) (ASTIA AD-221-549) TN 57-41
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Suitability of Insulated Containers for Transport of Material with Critical Thermal Tolerances to Cold. July 1957. (OTS PB 146-630) (ASTIA AD-221-550) TN 57-43
- Cavanaugh, John R.  
Suitable Insulated Containers for Transport of Materials Having Critical Thermal Tolerances to Heat. July 1957. (OTS PB 161-974) (ASTIA AD 241-192) TN 57-44
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The Effect of Cold Exposure on Hepatic Acetate Metabolism. July 1960. (OTS PB 152-531) TR 57-4

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Metabolic Alterations in Rats with Adaptation to Low Environmental Temperatures. November 1958. (OTS PB 153-366) TR 57-12

Covino, Benjamin G. and William R. Beavers

Cardiovascular Response to Hypothermia; - Effect of Cold Acclimatization. January 1958. (OTS PB 153-369) TR 57-27

Covino, Benjamin G. and Adam Resendez

Effect of Cold on the Isolated Perfused Mammalian Heart. June 1960. (OTS PB 150-218) TR 57-38

Covino, Benjamin G. and William R. Beavers

Hind Limb Blood Flow During Immersion Hypothermia. January 1957. (OTS PB 153-342) TR 82

Donley, Harold L.

Cold Weather Tests on Pneumatic Shelter Raft. July 1957. (OTS PB 147-289) TN 57-18

\*Downs, Cora

Studies on the Incidence of Tularemia in Alaska. June 1960. (OTS PB 152-619) (ASTIA AD 244-756) TR 57-43

Drury, Douglas R.

Storage and Metabolism of Fed Carbohydrate. November 1957. (OTS PB 150-023) TN 57-46

Drury, Douglas R.

A Study of the Cardiovascular Adjustments to the Increased Stress Produced by Narrowing of the Abdominal Aorta. June 1960. (OTS PB 150-563) TR 57-33

Drury, Horace F. and Stanley G. Smith

Emergency Food Value of Alaskan Wild Plants. July 1957. (OTS PB 146-197) TN 57-16

Dunagan, T. T.

Studies of the Parasites of Edible Animals of Alaska. October 1957. (OTS PB 145-372) (ASTIA AD-230-832) TN 57-14

English, T. Saunders

An Evaluation of Some Survival Gill Nets. March 1957. (OTS PB 146-621) (ASTIA AD-221-545) TN 57-3

Felts, J. M., E. J. Masoro, S. S. Panagos and D. Rapport.

Alteration of the Pattern of Hepatic Carbohydrate Metabolism by Propionate and Butyrate. January 1960. (OTS PB 152-851) TR 57-61

Geiger, E., L. E. Human and M. J. Middleton

The Nitrogen Content of the Gastrointestinal Tracts of Rats During the Absorptive Period. June 1960. (OTS PB 150-567) TR 57-48

Good, A. L. and A. F. Sellers

Studies of Skin, Blood, and Rectal Temperatures of Unanesthetized Dogs exposed to Extreme Cold. I. Temperature Changes in the Blood of the Pulmonary Artery and Left Atrium. February 1960. (OTS PB 152-850) TR 57-52

Good, A. L. and A. F. Sellers

Studies of Skin, Blood and Rectal Temperatures of Unanesthetized Dogs Exposed to Extreme Cold. II. Effects of Carbon Dioxide, Epinephrine and Ilidar. July 1960. (OTS PB 150-569) TR 57-53

\*Hammel, H. T.

Heat Flow Meters Based on the Gradient Principle and their Use in Physiology of Heat Regulation. February 1960. (OTS PB 152-849) TR 57-50

Hammel, H. T.

Infrared Emissivities of Some Arctic Fauna. May 1957. (OTS PB 144-848) (ASTIA AD-220-677) TR 57-25

Hammel, H. T.

Metabolic and Thermal Response to Chronic Moderate Cold Exposure. June 1960. (OTS PB 150-568) TR 57-51

Hammel, H. T.

The Radiant Temperature of the Zenith at High Altitude in the Subarctic. May 1960. (OTS PB 150-217) TR 57-49

Hannon, John P. and David A. Vaughan

Arctic Survival Rations. V. Effects of Prolonged Consumption of Pemmican Survival Ration on Some Aspects of the Intermediary Metabolism of Rat Liver Tissue. July 1960. (OTS PB 150-571) TR 57-55

Hannon, John P. Anna M. Larson and David W. Young

Blood Chemistry of the Cold-Acclimatized Rat. I. Plasma Electrolytes. November 1959. (OTS PB 144-843) TR 57-60

Hannon, John P. and Benjamin G. Covino

Effect of Hypothermia on the Cellular Respiration of Ventricular Tissue. March 1958. (OTS PB 153-374) TR 57-40

Hannon, John P.

The Effect of Prolonged Cold Exposure on the In Vitro Respiration and Anaerobic Glycolysis of Rat Liver. June 1957 (OTS PB 153-545) TN 57-4

Hannon, John P.

The Respiration of Rat Liver Homogenates Following Prolonged Cold Exposure. September 1959. (OTS PB 144-841) (ASTIA AD 228-411) TR 57-59

Hannon, John P.

Seasonal and Racial Variations in Human Blood Adenine Nucleotide Levels. October 1959. (OTS PB 144-838) TR 57-57



Hannon, John P.

Simplified Apparatus and Methods for the Wet Ashing of Large Numbers of Biological Samples. August 1959. (OTS PB 144-835) TR 57-56

Hannon, John P.

A Simplified Apparatus for the Preparation of Tissue Slices. May 1959 (OTS PB 143-530) (ASTIA AD-220-679) TR 57-42

Harkema, Reinard and David A. Becker

Further Study of Alaskan Schistosomes. June 1960. (OTS PB 150-560) TR 57-16

Hemingway, Allan

Nervous Control of Shivering. IX. A Review. July 1957. (OTS PB 146-618) TN 57-40

\*Hertzman, Alrick B. and Walter Ciszczon

Refinements in Photoelectric Plethysmography. July 1960. (OTS PB 152-617) TR 57-15

\*Hsieh, A. C. L., Loren D. Carlson and G. Gray

Role of the Sympathetic Nervous System in the Control of Chemical Regulation of Heat Production. November 1959. (OTS PB 144-839) (ASTIA AD 228-548) TR 57-30

Hyman, Chester, Thomas E. Nelson and Eli Castronova

Maintenance of the Integrity of the Blood Vascular System. Its Relation to Anticoagulants and Blood Coagulation Mechanism. June 1957. (OTS PB 153-348) TR 57-9

Johnson, Harry McClure

Winter Microclimates of Importance to Alaskan Small Mammals and Birds. March 1957. (OTS PB 153-345) TR 57-2

Kethley, T. W., E. L. Fincher and W. B. Cown

The Effect of Low Temperature on the Survival of Airborne Bacteria. March 1957. (OTS PB 153-343) TR 83

Laughlin, W. S.

Blood Groups of the Anaqtuavik Eskimos. June 1957. (OTS PB 153-347) TR 57-5

\*Lyman, Charles P., Leon P. Weiss, R. C. O'Brien and A. Barbeau

The Effect of Hibernation on the Blood Picture of the Golden Hamster. June 1958. (ASTIA AD 230-833) TN 57-15

Masoro, E. J. and J. M. Felts

The Role of Carbohydrate Metabolism in Promoting Fatty Acid Oxidation. November 1957. (OTS PB 153-548) TN 57-36

Masoro, E. J. and Sylvia S. Panagos

Effects of Short Chain Fatty Acids on Hepatic Acetate Metabolism in Cold Exposure and Fasting. March 1958. (OTS PB 153-363) TR 57-6

- \*Masoro, E. J., Carmen L. Asuncion, R. K. Brown and D. Rapport  
Lipogenesis from Carbohydrate in the Negative Caloric Balance State Induced by Exposure to Cold. I. Glucose Lipogenesis in Rats in Negative Caloric Balance. April 1960. (OTS PB 147-743) TR 57-31
- Masoro, E. J., J. M. Felts, S. Panagos and D. Rapport  
The Regulation of Hepatic Acetyl Metabolism by Short Chain Fatty Acids. May 1958. (OTS PB 153-364) TR 57-7
- \*Milan, Frederick  
Observations on the Contemporary Eskimo of Wainwright, Alaska. January 1958. (OTS PB 163-367) TR 57-14
- Mitchell, Ormond G.  
Observations on the Reproductive Cycle of the Male Arctic Ground Squirrel (Spermophilus Undulatus). June 1960. (OTS PB 150-562). TR 57-26
- Nimni, M. E. and E. Geiger  
Testosterone-Induced N-Retention in Castrated Rats on Diets Containing Incomplete Proteins. October 1957. (OTS PB 146-240) (ASTIA AD 230-836) TN 57-28
- Nungesser, W. C. and H. E. Ederstrom  
Changes in Body Temperature and Renal Function in Dogs Exposed to Cold. November 1957. (OTS PB 146-619) (ASTIA AD 221-548) TN 57-38
- \*Oswalt, W. H.  
Napaskiak, An Eskimo Village in Western Alaska. January 1961. (OTS PB 155-463) (ASTIA AD 254-826) TR 57-23
- Patterson, W. Bradford, Charles P. Lyman and Helen P. Patterson  
The Growth of Human Tumors in Hibernating Hamsters. October 1959. (OTS PB 144-840) TR 57-18
- \*Pitts, Grover C.  
A Study of Gross Body Composition of Small Alaskan Mammals as Compared with those from the Temperate Zone. I. September 1960. (OTS PB 154-321) (ASTIA AD 251-852) TR 57-46
- Rennie, Donald W. and Thomas Adams  
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Comparative Seat Rates of Eskimos and Caucasians Under Controlled Conditions. March 1957. (OTS PB 153-341) TR 84
- Rodahl, Kaare  
Human Acclimatization to Cold. October 1957. (OTS PB 153-352) TR 57-21

Rodahl, Kaare and Gisle Bang

Thyroid Activity in Men Exposed to Cold. October 1957. (OTS PB 153-372)  
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Robard, Simon and Louis N, Katz

The Regulation of the Distribution of the Cardiac Output. I. Blood Pressure and Blood Flow Regulating Mechanisms Elicited by Intra-Cranial Compression. II. Studies on Clinical Measures of Blood Flow to the Extremities. March 1958. (OTS PB 153-365) TR 57-8

Todd, W. R. and Marilouise Allen

Maintenance of Carbohydrate Stores During Stress of Cold and Fatigue in Rats Pre-fed Diets Containing Added Glycine. June 1960. (OTS PB 150-564)  
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Treadwell, Carleton R.

Effect of Lipotropic Factors on Cold Physiology. I. Preliminary Experiments. September 1957. (OTS PB 147-290) TN 57-23

Treadwell, Carleton R.

Effect of Lipotropic Factors on Cold Physiology. II. Preventive and Curative Effects of Cold on Fatty Livers. September 1957. (OTS PB 146-243) (ASTIA AD 230-834) TN 57-24

Treadwell, Carleton R.

Effect of Lipotropic Factors on Cold Physiology. III. Ketone Body Levels in The Cold. September 1957. (OTS PB 146-241) (ASTIA AD-230-835) TN 57-25

Treece, E. Lee and Jerome P. Schmidt

Incidence of Upper Respiratory Disease Among Military Populations in Alaska. August 1960. (OTS PB 150-566) TR 57-44

Tulloch, George S.

Incidence of Animal Parasites in the Residents of the East Yukon Flats, Alaska. June 1960. (OTS PB 150-561) TR 57-19

\*Van Stone, James W.

Point Hope, an Eskimo Community in Northwest Alaska. March 1961. (OTS PB 157-323) TR 57-22

Van Tassel, Norman C.

Droppable, Austere Medical Facility. July 1957. (OTS PB 150-021) (ASTIA AD 241-191) TN 57-22

Vaughan, David A. and Lucile N. Vaughan

Thiamine Load Test Studies in Humans. October 1959. (OTS PB 144-837)  
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Williams, Volney M.

Arctic Survival Kit, Passenger. (With Revision No. 1) August 1957. (OTS PB 153-346) TR 57-3

Winzler, Richard J.

The Effect of Environmental Factors on the Metabolism of Plasma Proteins

I. The Measurement of Turnover Rate. June 1960. (OTS PB 150-565) TR 57-35

Winzler, Richard J.

Effect of Environmental Factors on the Metabolism of Plasma Proteins. II.

The Effect of the Level of Dietary Protein on the Turnover Rate of Serum Proteins. June 1960. (OTS PB 150-570) TR 57-54

#### 1956 Series

Baribo, Lester E.

Cleaning and Sterilization of Bunny Boots. 1956. (OTS PB 153-516) TN 56-10

Baribo, Lester E.

Factors Affecting Field Water Purification. December 1956. (OTS PB 153-519) TN 56-13

Beavers, William R. and Benjamin G. Covino.

The Effect of Glycine in Immersion Hypothermia. September 1956. (OTS PB 124-785) (ASTIA AD 116-883) TR 81

\*Davis, Thomas R. A.

Hydatid Disease in Alaska. 1956. (OTS PB 153-507) TN 56-1

Davis, Thomas R. A., J. W. Gullison, E. D. Pace and S. D. Slevin

The Isolation of Enteric Pathogens at Barrow Alaska. 1956. (OTS PB 153-513) TN 56-7

Davis, Thomas R. A.

An Outbreak of Infectious Hepatitis in Two Arctic Villages. December 1956. (OTS PB 153-543) TN 56-38

Davis, Thomas R. A. and Franklin T. Elkins

Results of Cold Weather Test on the Evacuation Bag. 1956. (OTS PB 153-510) TN 56-4

Drury, Horace F., Miriam Hall, R. Glisczinski and J. Spence

Nutritional Survey at Anaktuvuk Pass. December 1956. (OTS PB 153-523) TN 56-17

Drury, Horace F.

Reconsideration of Pemmican as an Emergency Ration. 1956. (OTS PB 153-512) TN 56-6

Dunagan, Tommy T.

Helminth Parasites of Alaskan Muskrats. December 1956. (OTS PB 153-522) TN 56-16

- Dunagan, Tommy T.  
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Arctic Field Evaluation of Global Goggles. 1956. (OTS PB 153-509) TN 56-3
- Elsner, Robert W.  
Dry Cold Evaluation of the MD-1 Anti-Exposure Suit Assembly. 1956. (OTS PB 153-508) TN 56-2
- \*Elsner, Robert W. and William O. Pruitt  
Some Structural and Thermal Characteristics of Snow Shelters. 1956. (OTS PB 153-517) TN 56-11
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Effect of Changes in Environmental Temperature on Stomach Emptying in Rats. 1956. (OTS PB 153-511) TN 56-5
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The Comparative Physiology of Thermal Insulation. August 1956. (OTS PB 124-784) (ASTIA AD 116-545) TR 77
- Hemingway, Allan and Lucy Birzis  
Nervous Control of Shivering, Part IV; The Effect of Hypoxia on Shivering. April 1956. (OTS PB 125-854) (ASTIA AD 95-925) TR 75
- Hock, Raymond J. and Benjamin G. Covino  
Hypothermia. December 1956. (OTS PB 153-544) TN 56-39
- Holmes, Thomas H., Norman G. Hawkins, E. R. Clarke, J. R. Joffe and C. E. Bowerman  
Psychosocial and Psychophysiologic Studies of Tuberculosis. Project 8-7951, Report No. 4. February 1956. (OTS PB 126-475) (ASTIA AD 96-083) TR 74
- Ingols, Robert S. and Robert H. Fetner  
Sterilization of Water by Ozone Under Arctic Conditions. September 1956. (OTS PB 124-786) (ASTIA AD 116-548) TR 78
- Jones, Quentin  
Edible Plant Field Work for Summer of 1954. December 1956. (OTS PB 153-524) TN 56-18
- Libby, Wilbur L.  
The Availability of Edible Plants and Animals to the Survivor in the Arctic and Subarctic. December 1956. (OTS PB 153-540) TN 56-34
- Masoro, E. J., Arthur I. Cohen and Sylvia S. Panagos  
Effect of Cold Exposure and Fasting on Hepatic Acetate Metabolism. December 1956. (OTS PB 153-538) TN 56-32

- Masoro, E. J., Arthur I. Cohen and Sylvia S. Panagos  
Effect of Exposure to Cold on Some Aspects of Hepatic Acetate Utilization  
December 1956. (OTS PB 153-539) TN 56-33
- Masoro, E. J., J. M. Felts and Sylvia S. Panagos  
The Effect of Prolonged Cold Exposure on Hepatic Lipogenesis. December  
1956. (OTS PB 153-541) TN 56-36
- Nungesser, William C.  
Effect of Cold on Renal Function. December 1956. (OTS PB 153-542) TN  
56-37
- Oswalt, Wendell H.  
Preliminary Report on Air Force - Eskimo Contacts. December 1956. (OTS  
PB 153-520) TN 56-14
- Perry, David R. and Lidie C. Dyer  
Incidence, Nature and Extent of Injury in Crash Landings and Bailouts.  
November 1956. (OTS PB 124-787) (ASTIA AD 116-239) TR 79
- Rapport, David  
Continued Studies on the Metabolism of Fatty Acids and Related Substances in  
Animals Exposed to Cold. December 1956. (OTS PB 153-526, 527, 528, 529,  
530, 531, 532, 533, 534, 535, 536 and 537) TN 56-20 thru 56-31
- Rapport, David  
Studies on the Metabolism of Fatty Acids and Related Substances in Animals  
Exposed to Cold. December 1956. (OTS PB 153-525) TN 56-19
- \*Rodahl, Kaare and Gisle Bang  
Endemic Goiter in Alaska. 1956. (OTS PB 153-515) TN 56-9
- Sutherland, G. Bonar and Dan H. Campbell  
Immunochemical and Blood Chemistry Studies of "Cold Adapted" Animals.  
(OTS PB 124-783) (ASTIA AD 116-884) TR 80
- \*Van Stone, James W.  
Report on Air Force - Eskimo Contacts. December 1956. (OTS PB 153-521)  
TN 56-15

#### 1955 Series

- Birzis, Lucy and Allan Hemingway  
Nervous Control of Shivering, Part III; A Shivering Pathway in the Brain  
Stem and Spinal Cord. November 1955. (OTS PB 125-847) (ASTIA AD 95-  
927) TR 69
- Elsner, Robert W.  
Some Acclimatizing Responses of Man to Prolonged Cold Exposure. November  
1955. (OTS PB 125-849) (ASTIA AD 95-930) TR 71

Harkema, Reinhard

Further Study of Alaskan Schistosomes; Project 22-1401-0005, Report  
No. 3. November 1955. (OTS PB 126-474) (ASTIA AD 95-928) TR 70

Hertzman, Alrick B. and Darrell L. Davis

The Application of the Photoelectric Plethysmograph to the Nasal Septum.  
November 1955. (OTS PB 126-478) (ASTIA AD 95-926) TR 73

Meehan, John P.

Body Heat Production and Surface Temperature in Response to a Cold  
Stimulus. January 1955. (OTS PB 153-336) (ASTIA AD 78-858) TR 66

Meehan, John P.

Individual and Racial Variations in a Vascular Response to a Cold  
Stimulus. (OTS PB 153-338) (ASTIA AD 78-859) TR 68

Rodahl, Kaare

Nutritional Requirements of Troops Stationed in Alaska. June 1955. (OTS  
PB 153-339) (ASTIA AD 123-811) TR 65

Webb, Paul

Heat Loss from the Respiratory Tract in Cold. April 1955 (OTS PB 163-337)  
TR 67

Young, Allan C., L. D. Carlson and H. L. Burns

Regional Heat Loss by Temperature Gradient Calorimetry. November 1955.  
(OTS PB 130-251) (ASTIA AD 95-929) TR 72

#### 1954 Series

Birzis, Lucy, Takio Shimamoto and Allan Hemingway

Nervous Control of Shivering, Part II; A Descending Pathway from the  
Preoptic Shivering Suppressor Region. March 1954. (OTS PB 153-330)  
TR 55

\*Gill, Gordon D.

A Study of Invertebrate Disease Vectors in Alaska. Project No. 22-1401-  
004, Report No. 2. October 1954. (OTS PB 115-721) (ASTIA AD 57-363)  
TR 59

Hammel, H. T.

Radiant Temperature of the Sky at High Altitude. December 1954 (OTS PB  
153-334) TR 63

Harkema, Reinard

Further Study of Alaskan Schistosomes. Project 22-1401-0004, Report  
No. 2. September 1954. (OTS PB 115-723) (ASTIA AD 57-364) TR 60

Hemingway, Allan, P. Forgrave and L. Birzis

Nervous Control of Shivering, Part I; A Shivering Suppressor Mechanism of  
the Brain Stem. Project 22-1301-0009, Report No. 1. June 1954. (OTS PB  
115-089) TR 62

Young, Allan C. and W. A. Robinson  
 Small Sample Volume Infra-Red Carbon Dioxide Analyzer. December 1954.  
 (OTS PB 153-335) (ASTIA AD 113-241) TR 64

1953 Series

\*Carlson, Loren D., H. L. Burns, T. H. Holmes and P. P. Webb  
 Adaptive Changes During Exposure to Cold. Project 22-1301-0002. February 1953. (OTS PB 108-713) (ASTIA AD-8242) TR 51

Geary, John M.  
 A Survey of Invertebrate Disease Vectors in Alaska. Project No. 22-1401-0004, Report No. 1. November 1953. (OTS PB 153-331) TR 54

\*Hardy, James D. and Alice M. Stoll  
 Measurement of the Radiant Heat Load on Man in Summer and Winter Alaskan Climates. November 1953. (OTS PB 153-324) TR 44

Harkema, Reinhard  
 Study of Alaskan Schistosomes. AF 18(600)187. Project 22-1401-0005. June 1953. (OTS PB 153-332) TR 48

Masuda, Minoru and Horace C. Thuline  
 An Improved Method for the Determination of Urinary 17-Ketosteroids. AF 33(038)22916. Project 22-1301-0002. March 1953. (OTS PB 153-327) (ASTIA AD 8096) TR 52

Mather, George W., G. G. Nahas and Allan Hemingway  
 Angiostomy Cannulae for the Study of Pulmonary Circulation. Project No. 22-1301-0002. March 1953. (OTS PB 109-410) (ASTIA AD 7959) TR 53

\*Mather, George W., G. G. Nahas and Allan Hemingway  
 Temperature Changes of Pulmonary Blood During Exposure to Cold. Project No. 21-1301-0002. March 1953 (OTS PB 109-411) (ASTIA AD 8091) TR 49

\*Mather, George W. and Allan Hemingway  
 Thermistor Thermometry in Investigational Work. Project 22-1301-0002. March 1953. (OTS PB 109-603)(ASTIA AD 7960) TR 50

Meehan, J. Patrick, Alice M. Stoll and James kD. Hardy  
 The Cutaneous Pain Threshold in the Native Alaskan Indian and Eskimo Project 22-1301-0002. Report No. 9 December 1953. (OTS PB 153-328) (ASTIA AD 38-884) TR 46

Reidy, Joseph J. and Horace F. Drury  
 Some Factors in the Emotional Adjustment of Radar Observers in Jet Fighter Interceptor Aircraft. Project 22-1201-0000. November 1953. (OTS PB 153-325) TR 56



\* Rohles, Frederick H. Jr.

Construction and Validation of a Test Battery as Determinant of Overseas Adjustment Potential. Validation of a Biographical Inventory to Select Airmen Who Desire to Extend Their Alaskan Duty Tour. Project 22-0201-002, Report No. 1, Series 2, November 1953. (OTS PB 155-174) (ASTIA AD 99-956) TR 47

Rohles, Frederick H., Jr.

Critical Factors Underlying the Decision to Extend or not Extend the Alaskan Duty Tour. Project No. 22-1301-0003, Series 2, Report No. 1 of Survey of Human Adjustment Problems in the Northern Latitudes. November 1953. (OTS PB 153-329) (ASTIA AD 61-298) TR 45

\* Rohles, Frederick H., Jr.

Two Studies on Temperature and Motor Ability. The Effect of Temperature on Serial-Discriminative Responses. The Effect of Time and Temperature on Motor Ability. Project No. 22-0601-0002. November 1953. (OTS PB 153-321) (ASTIA AD 52-956) TR 57

1952 Series

\* Drury, Horace F. and Kaare Rodahl

The Effect of Prolonged Arctic Flight on Night Visual Acuity. Project No. 22-1201-0001, Report No. 1. August 1952. (OTS PB 153-326) (ASTIA R-6963) TR 31

McCollum, Ernest L.

General Morale Report of Alaskan Air Command; Program C, Part I-A of Survey of Human Adjustment Problems in the Northern Latitudes. July 1950. (OTS PB 101-689) (ASTIA AD 103-462) TR 39

\* Rodahl, Kaare, Charles R. Shaw and Horace F. Drury

Arctic Survival Rations. Project No. 22-1101-0002, Report No. 1. December 1952. (OTS PB 108-714) (ASTIA AD-8241) TR 40

\* Rodahl, Kaare

Basal Metabolism of the Eskimo. Project 22-1301-0001, Part 2. December 1952. (OTS PB 108-709) (ASTIA AD-1182) TR 34

\* Rodahl, Kaare and James Edwards Jr.

The Body Surface Area of Eskimos as Determined by the Linear and the Height-Weight Formulas. May 1952. (OTS PB 106-897) (ASTIA STI-ATI 205-100) TR 35

\* Rodahl, Kaare

"Spekk-finger," A Clinical Condition observed in Personnel Handling Arctic Seals. Project 22-1401-0003. May 1952. (OTS PB 106-898) TR 36

\* Rodahl, Kaare and Joan Rodahl

Vitamin Content of Arctic Plants and Their Significance in Human Nutrition. Project 22-1101-0002, Part 1. August 1952 (OTS PB 155-173) (ASTIA ATI 162-934) TR 41

Young, Allan C.

Carbon Dioxide Analyzer. AF 33(038)422 and AF 33(038)22916. Project No. 22-1301-0002. December 1952. (OTS PB 108-712) (ASTIA AD 1180) TR 38

Young, Allan C.

A Recording Gas Flowmeter. AF 33(038)422, Project 22-1301-0002. December 1952. (OTS PB 143-314) (ASTIA AD-1181) TR 32

Young, Allan C. and L. D. Carlson

Thermal Gradient Calorimeter. Project 22-1301-0002. December 1952. (OTS PB 108-711) (ASTIA AD-1179) TR 33

#### 1951 Series

\*Buffenbarger, H. L.

Alaskan Field Test of USAF Survival Rations. 1951. (OTS PB 155-172) TR 28

\*Carlson, Loren D., A. C. Young, H. L. Burns and W. E. Quinton

Acclimatization to Cold Environment: Physiologic Mechanisms. AF 33(038)422. USAF Technical Report No. 6247. March 1951. (OTS PB 156-321) (ASTIA ATI 110-684) TR 25

Debons, Anthony, Jimmie L. Johnson, Robert D. Skilton

Psychological Inquiry into Several Cases of Frostbite Occurring During "Operation Sweetbriar," Winter 1949-50. Project 21-01-012, Report No. 2, March 1951. (OTS PB 104-533) (ASTIA ATI 111-583) TR 19

Debons, Anthony

Study of Adjustive, Non-adjustive Behavior as Reflected by Variations of Shifts in Disposition by Air Force Personnel Assigned to Montana, Pre-Winter Project 21-01-022, Program E, Part IV of Survey of Human Adjustment Problems in the Northern Latitudes. February 1951 (OTS PB 104-532) (ASTIA ATI 105-931) TR 16

Debons, Anthony

A Survey of Reaction of Army and Air Force Personnel, Ladd Air Force Base, Toward Certain Aspects Pertinent to the Defense of their Installation (Post Exercise "Dutchdoor"). February 1951. (OTS PB 153-323) TR 29

\*Lane, Frank H. Jack Bollerud

Evaluation of Methods for the Treatment of Frostbite. Project 21-01-012. January 1951. (OTS PB 103-911) (ASTIA ATI 102-995) TR 20

McCollum, Ernest L.

Critical Flicker Frequency and Serial Stress. February 1951. (OTS PB 103-478) (ASTIA ATI 110-629) TR 22

McCollum, Ernest L.

Morale Survey of Personnel Assigned to Ladd AFB. Project 21-01-022, Program C, Part I of Survey of Human Adjustment Problems in the Northern Latitudes. February 1951. (OTS PB 103-910)(ASTIA ATI 102-997) TR 18

McCollum, Ernest L.

Selection of Men Best Qualified for Sub-Arctic and Arctic Duty -- An Eighteen Month Longitudinal Study of Airmen Assigned to Alaskan Duty. Project 21-01-007, Part B. March 1951. (OTS PB 103-530) (ASTIA ATI 105-861) TR 21

McCollum, Ernest L.

A Study of Military Offenders. Project 21-01-022, Program F, Part I of Survey of Human Adjustment Problems in the Northern Latitudes. February 1951. (OTS PB 103-234) (ASTIA ATI 105-600) TR 17

\*Wilber, C. G., and X. J. Musacchia

A Survey of Lipids in Arctic Animals. AF 33(038)422-82049. USAF Technical Report No. 6463. April 1951. (OTS PB 106-375) TR 23

\*Wilber, C. G. and T. W. Gorski

A Survey of Lipids in Arctic Animals. USAF Technical Report No. 6463, Supplement No. 1. June 1951. (OTS PB 106-375s) TR 27

\*Young, Allan C., L. D. Carlson, W. E. Quinton, and H. L. Burns

Electronic Polyneumograph: Electronic Recording of Tidal Instantaneous Flow, Respiratory Rate, and Minute Volume with a Gas Sampling Device for Oxygen and Carbon Dioxide Analysis in Expired Air. AF 33(038)422. USAF Technical Report No. 6243. March 1951. (OTS PB 104-115) TR 26

\*Young, Allan C., A. L. Burns, W. E. Quinton and L. D. Carlson

Temperature Gradient Calorimetry. AF 33(038)422. USAF Technical Report 6248. March 1951. (OTS PB 104-116) TR 24

\*

#### 1950 Series

\*Allen, Denver I., Frederick Sargent, et al.

Arctic Winter Ration Trials, 1950. April 1950. (OTS PB 155-170) TR 15

Bollerud, Jack, James Edwards, Jr., Robert A. Blakely

A Survey of the Basal Metabolism of Eskimos. Project 21-01-020. December 1950. (OTS PB 102-823) (ASTIA ATI 105-601) TR 10

\*Debons, Anthony

Gloves as a Factor in Reduced Dexterity. Individual Psychological Reactions to Cold. Project 21-01-018. Phase I, Program A. February 1950. (OTS PB 100-918) (ASTIA ATI 72-117) TR 11

\*Debons, Anthony

Influence of Geographical Background on the Adjustive, Non-adjustive Behavior of Infantrymen Assigned to Alaska. Project 21-01-022, Program E, Part II of Survey of Human Adjustment Problems in the Northern Latitudes. April 1950. (OTS PB 110-445) (ASTIA ATI 80-857) TR 3

Debons, Anthony

Personality Predispositions of Infantrymen as Related to their Motivation to Endure Tour in Alaska: A Comparative Evaluation. Project 21-01-022, Program E, Part III of Survey of Human Adjustment Problems in the Northern Latitudes. May 1950. (OTS PB 101-197) (ASTIA AD 1114) TR 4

\*Debons, Anthony

Study of Adjustive, Non-Adjustive Behavior as Reflected by the Variations of Shifts in Disposition by Infantrymen Assigned to Alaska. Project 21-01-022 Program E, Part I of Survey of Human Adjustment Problems in the Northern Latitudes. April 1950. (OTS PB 110-444) (ASTIA ATI 80-856) TR 5

\*Edwards, James Jr.

Electroencephalographic Study of Men Transferred from the Subtropic to the Subarctic. Project 21-01-044. Section IV. December 1950. (OTS PB 102-704) (ASTIA ATI 94-267) TR 12

\*Green, Jack C., F. K. Smith

Field Test of the Bag, Casualty, Evacuation (Experimental). Project 21-01-023. February 1950. (OTS PB 100-917) (ASTIA ATI 74-335) TR 14

\*McCollum, Ernest L.

Morale Survey of Personnel Assigned to Elmendorf Air Force Base, Alaska. Project 21-01-022, Program C, Part I-B of Survey of Human Adjustment Problems in the Northern Latitudes. January 1950. (OTS PB 101-198) (ASTIA AD 101-724) TR 8

\*McCollum, Ernest L.

Morale Survey of Alaskan Air Command. Project 21-01-022, Program C, Part I-C of Survey of Human Adjustment Problems in the Northern Latitudes. August 1950. (OTS PB 102-402) (ASTIA ATI 111-584) TR 7

\*McCollum, Ernest L.

Personality Alteration During Reduced Caloric Intake Under Survival Conditions in the Subarctic. Project 21-01-025. August 1950. (OTS PB 102-010) (ASTIA U-13080) TR 13

\*McCollum, Ernest L.

Relationships Between Certain Scores on the Minnesota Multiphasic Personality Inventory and the Minnesota Personality Scale. Project 21-01-022. November 1950. (OTS PB 153-322) TR 9

McCollum, Ernest L.

Relationships Between Low Morale and Personality Structures. Project 21-01-022, Program C, Part I-D of Survey of Human Adjustment Problems in the Northern Latitudes. October 1950. (OTS PB 102-572) (ASTIA ATI 94-293) TR 6

1949 Series

- \*Carlson, L. D., H. L. Burns, W. E. Quinton and R. S. Bark.  
Report of Studies on Acclimatization, Winter 1948-49. AF 33(038)422.  
August 1949. (OTS PB 101-786) TR 1
- \*Green, Jack C.  
Field Test of Canadian Snowmobile. Project 21-01-024. August 1949.  
(OTS PB 153-320), (ASTIA STI-ATI 205-242) TR 2